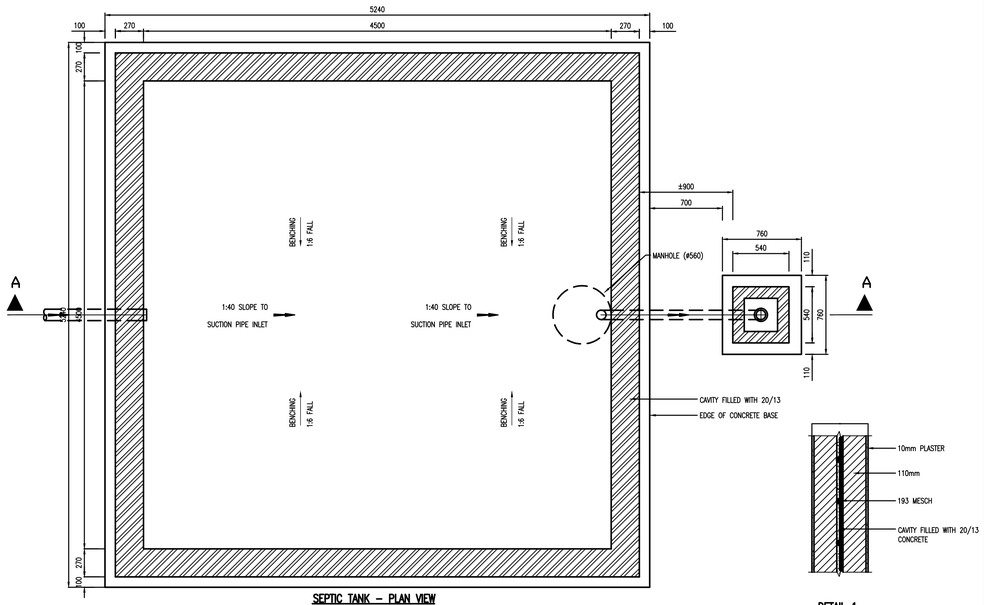
NOTE.:

1. ALL DIMENSIONS ARE IN MM
2. MIN 30MM COVER OVER ALL STEEL.
3. APPLY ONE COAT ABE DURA SLURRY TO INTERNAL PLASTERED AND CONCRETE WALLS. ALLOW TO DRY.

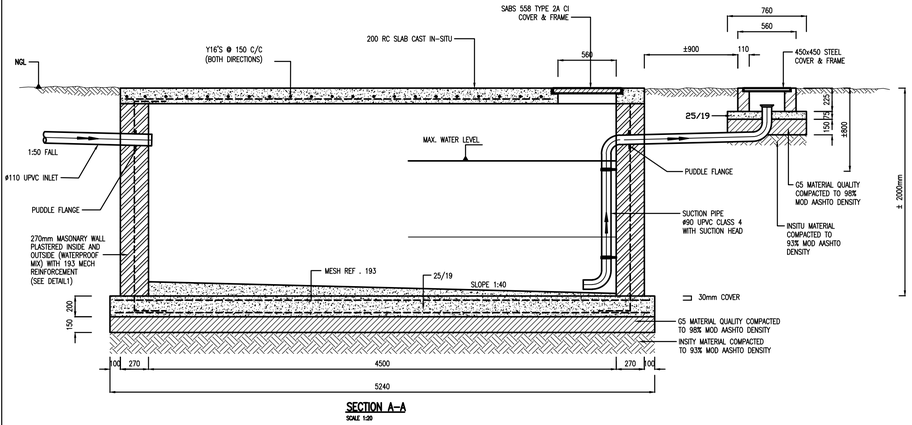


SEPTIC TANK – PLAN VIEW

SCALE 1:20

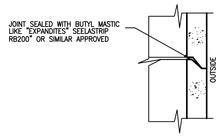
DETAIL 1

N.T.S



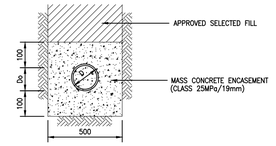
SECTION A–A

SCALE 1:20



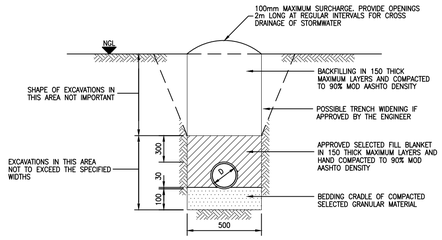
DETAIL OF JOINT

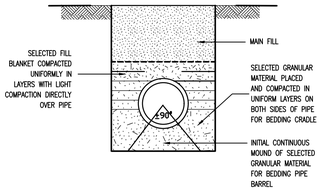
SCALE 1 : 5



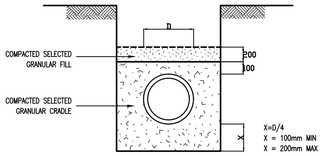
CONCRETE ENCASEMENT

N.T.S

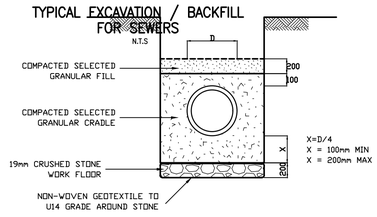




FLEXIBLE PIPE SUPPORTED ON SELECTED GRANULAR MATERIAL



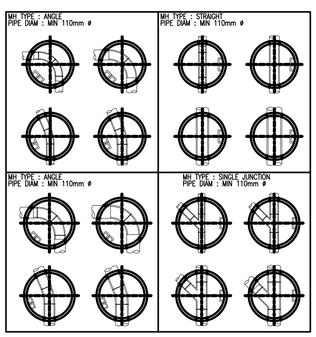
FLEXIBLE PIPE SUPPORTED ON SELECTED GRANULAR MATERIAL DETAIL OF PIPE BEDDING



DETAIL OF PIPE TRENCH FOR WATER-LOGGED CONDITIONS

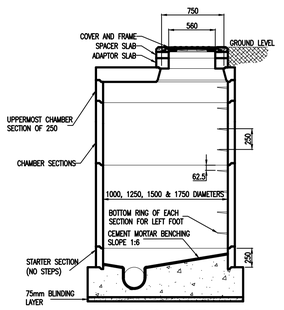
NOTES

1. PRE-CAST CONCRETE MANHOLES AND SLABS, THE INSTALLATION AND CONSTRUCTION THEREOF TO COMPLY WITH SABS1294 AND SABS120OLD.
2. THE UPPERMOST SECTION OF THE CHAMBER OR SHAFT TO BE A 250mm SECTION.
3. MANHOLE SHAFTS AND STEP IRONS ARE TO BE PLACED OVER THE LARGEST LANDING ON THE DOWNSTREAM SIDE.
4. HORIZONTAL SPACING OF STEPS TO BE 150mm (+/- 12 mm).
5. PIPE SECTIONS AND SLABS TO BE BEDDED ON A 2:1 CEMENT MORTAR GROUT TO FORM A COMPACTED WATER-TIGHT JOINT OF APPROXIMATELY 5mm THICK.
6. MAXIMUM PROTRUSION OF PIPES INTO MANHOLES TO BE 50mm.
7. ALL CHANNELS TO BE VITRIFIED CLAY.
8. FOR LARGER PIPE DIAMETERS, DEEP SEWERS AND CHANNEL LAYOUTS NOT FITTING INSIDE STANDARD PRECAST MANHOLE SECTIONS, THE ENGINEER SHALL DESIGN A CHAMBER TO SUIT THE CONDITIONS.
9. COVERS AND FRAMES AS PER SABS558, OR SIMILAR APPROVED.
10. COVERS AND FRAMES TO BE INSTALLED (OR SIMILAR APPROVED) :
    IN ROADS : TYPE 1A OR 2A.
    OTHER AREAS : TYPES 1B, 4, 4A OR 6
11. IN ROADS, PAVED AREAS OR PEDESTRIAN WALKWAYS, THE TOP OF THE MANHOLE COVER SHALL BE AT THE SAME LEVEL AS THE FINISHED LEVEL OF THE SURROUNDING AREA.
12. THE COVER OF MANHOLES IN UNDEVELOPED AREAS OR MANHOLES ON OUTFALL SEWERS MUST BE +/- 500mm ABOVE NATURAL GROUND LEVEL.
13. CONCRETE OR HINGED DUCTILE IRON COVERS MAY BE USED WITH APPROVAL FROM THE CLIENT.



TYPICAL RODDING EYE AND AN INSPECTION EYE ARRANGEMENT

N.T.S



SHALLOW PRECAST CONCRETE MANHOLE

N.T.S

NOTES :

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REV	DATE	DESIGN	DRAWN	DESCRIPTION
A	16.10.2023	T.LEKALAKA	E.MBHELE	ISSUED FOR TENDER PURPOSES

RAMONOKANE PRIMARY SCHOOL

FOR

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION

IMPLEMENTED BY

THE MVULA TRUST A leading developmental NGO

SEPTIC TANK AND SEWER DETAILS

SCALE: AS SHOWN

PROJECT	DRAWING NUMBER	REVISION
RPS	DWG-ST-101	A

INFO	COUNCIL	TENDER	CONSTRUCTION

DATE: 16/10/2023

DRAWN BY: VM